**Informatics Unit 3**

**SAT – Criteria 3**

**Acquisition of data**

Requirements regarding acquisition of data:

* Multiple sets of complex data.
* Use of different types of data (text, numbers, sound, images – moving & still).
* Use of primary & secondary data.
* Use of qualitative & quantitative data.
* Use of appropriate methods of acquisition

**Explain how you have met the above requirements.**

* I have acquired/gained multiple sets of complex data through multiple sources on the internet and used my google form to gain primary data with both quantitative and qualitative responses. Most of the data I have collected is in the form of text, but I also have images that further reinforce what the information is explaining/showing. I have included both primary and secondary data in my findings, all of my primary data has come from the form I created for my peers to fill out, while my secondary data has come from multiple online websites and resources. Quantitative and qualitative data has also been collected both from my google form and multiple websites, this has given me a broad range of data to present and also support my hypothesis in many different areas/ways. The way I acquired this data was through both surveys (primary data) and through various sites on the internet (secondary data), this gave my data some accuracy because I was cross checking my data over the various sites and finding similar information across all.

**Referencing of data**

Use of a standard referencing system for each data source and acquisition method is shown. Use of all intellectual property is acknowledged. (see APA method on p 110)

**Google Form:** https://goo.gl/forms/fm9Z6dVN5ECK4lcC3

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Author** | **Year of publication** | **Title** | **Name of organisation** | **URL** |
| Bell, Jessica | 2010 | ‘How diet affects athletic performance’ | Live strong | <http://www.livestrong.com/article/212620-how-diet-affects-athletic-performance/> |
| N/A | 2012 | ‘Sporting performance and food’ | Better health channel | <https://www.betterhealth.vic.gov.au/health/healthyliving/sporting-performance-and-food> |
| N/A | N/A | ‘The athlete’s nutrition needs’ | Nestle | <http://www.nestle.com.au/nhw/sports-nutrition/the-athletes-nutrition-needs> |
| N/A | N/A | ‘Dairy and sports nutrition’ | Sports dietitians Australia | <https://www.sportsdietitians.com.au/factsheets/fuelling-recovery/dairy-sports-nutrition/> |
| N/A | N/A | Sports nutrition | Nutritionist resource | <http://www.nutritionist-resource.org.uk/articles/sports-nutrition.html> |

**Validation of data**

All data needs to be validated using appropriate electronic or manual techniques to enhance the integrity of the dataset.

**Explain how you have met the above requirement.**

* I have used both manual and electronic validation techniques to enhance the authenticity of my data. My electronic techniques include both existence checking (required questions that needed to be answered) and multiple choice questions (similar to drop down lists) that aided in improving the responses I got from my google form from all respondents. My manual validation techniques included proofreading and cross referencing across multiple websites, this improved the integrity of the data and gave it a further sense of authenticity. The proofreading just made sure it was relevant and there were minimal mistakes in the data I was gathering, while the cross checking/referencing just made sure the data I attained was accurate and that it had integrity.